

Applicant claims the right of priority based on United States Provisional Application Number 60/427,827, filed on November 20, 2002, which provisional application is hereby incorporated by reference in its entirety, a copy of the provisional patent is attached hereto.

Provisional Patent 60 / 427 , 827 filed on 11-10-2002

Portable electrical therapeutic device and method for reducing headache, constipation and nausea

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The invention relates to a method of reducing headache, constipation and nausea and other symptoms in a patient utilizing a non-invasive electrical stimulation device applied over acupuncture points and nerves in the head, wrist, ankle or calf and other areas of a patient. The non-invasive electrical stimulation device is a portable electrical therapeutic device in the form of a watch-like housing and related attachment band for mounting onto the human wrist, ankle or calf, legs, hands, head, limbs and other areas. The device includes electronic circuitry for imparting electrical impulses via positive and negative electrodes at the back of the watch-like housing part to the desired acupuncture points and areas. Batteries within the housing power the electric circuitry, and a manually operable switch on the housing controls on/off and pulse frequency and amplitude.

The electrical pulse could be delivered to the following acupuncture points and areas to treat corresponding symptoms:

For constipation relief: daheng (大横), tianshu (天枢), qihai (气海), zhigou (支沟), fujie (腹结).

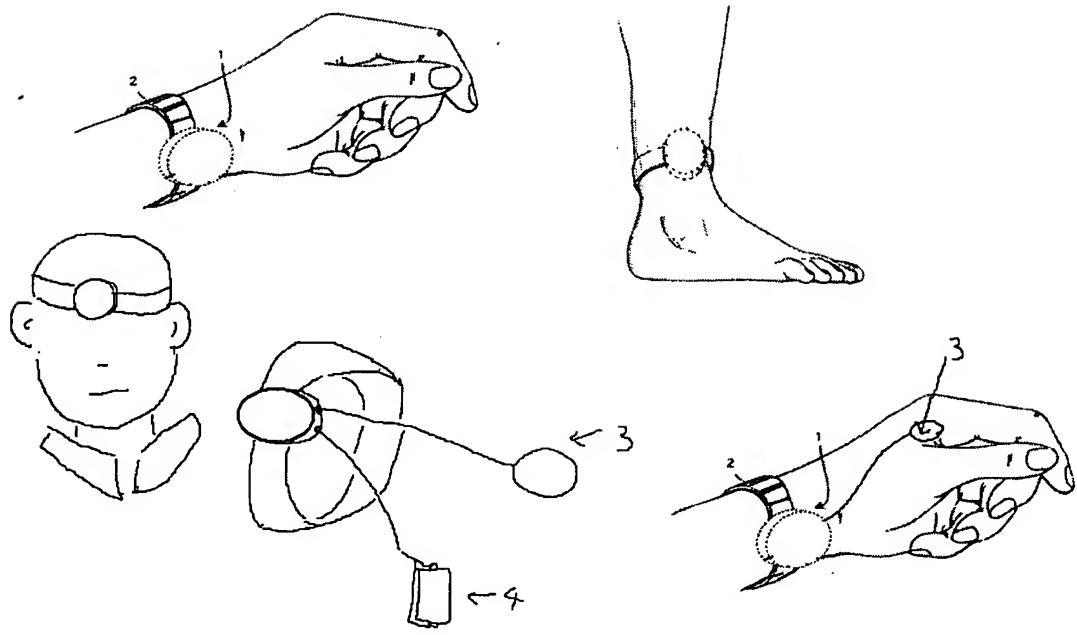
For headache relief: taiyang (太阳), hegū (合谷), shaoshang (少商), waiguan (外关), zusanli (足三里), fenglong (丰隆), guanchong (关冲), shangyang (商阳), yemen (液门), sizhukong (丝竹空), yangbai (阳白), lieque (列缺), fengchi (风池).

For nausea relief: neiguan (内关), gongsun (公孙), yinlingquan (阴陵泉), taiyang (太阳), fengchi (风池).

Based on the Chinese acupuncture theory, it could also apply electrical pulses to other acupuncture points to treat varieties of other symptoms.

The watch-like housing part could be connected to an external electrical power supply to work for a longer period of time. It also has a socket that can connect with extended electrodes to apply electrical pulse to other parts on the human body that cannot be accessed by the electrode at back of the watch-like housing.

The figure below illustrates a detailed example of how the device applies electrical pulses to different areas on human body.



- 1) Watch-like housing part
- 2) Band
- 3) Extended electrode
- 4) External power supply